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Figure 1B is a cross-sectional view of a multi-layered structure. It shows a series of layers and components labeled with numbers 1 through 14. The structure is composed of several horizontal layers, some of which are hatched to indicate different materials. A central layer (8) is flanked by two hatched layers (7 and 3). Above these, there are more complex structures including a hatched layer (10) and a series of rectangular blocks (14) separated by hatched layers (9). A dashed line indicates a boundary or interface. On the right side, a vertical stack of layers is labeled 1, 2, 5, 6, 12, and 13, with a bracket indicating a group of layers (4) consisting of 5, 6, and 12. A hatched layer (2) is also shown at the bottom right.

FIG. 2

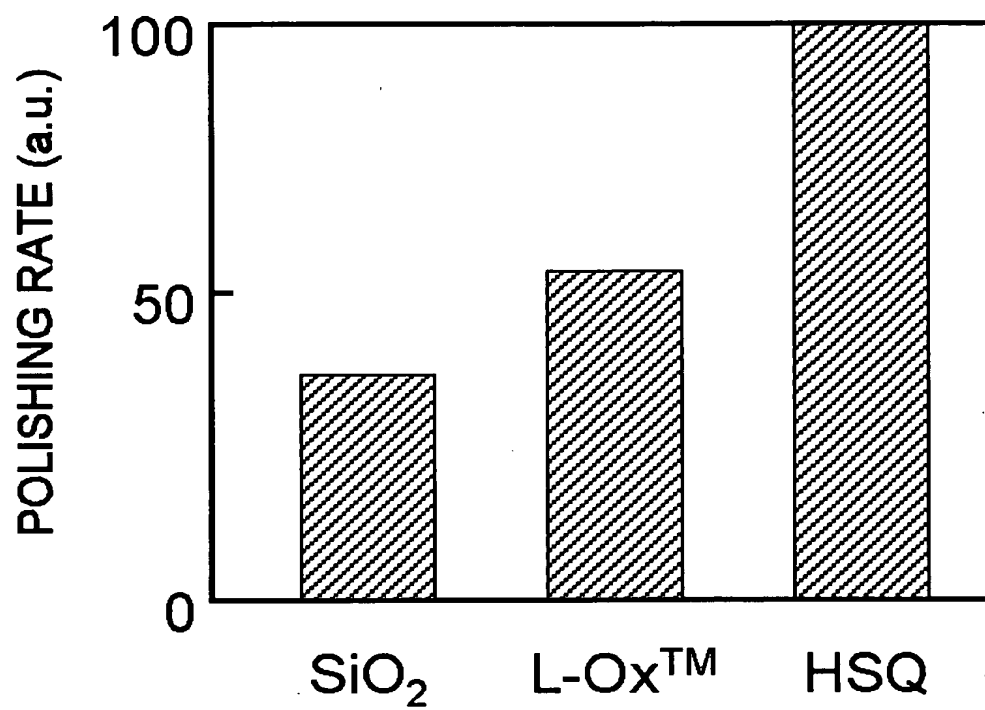


FIG. 3A

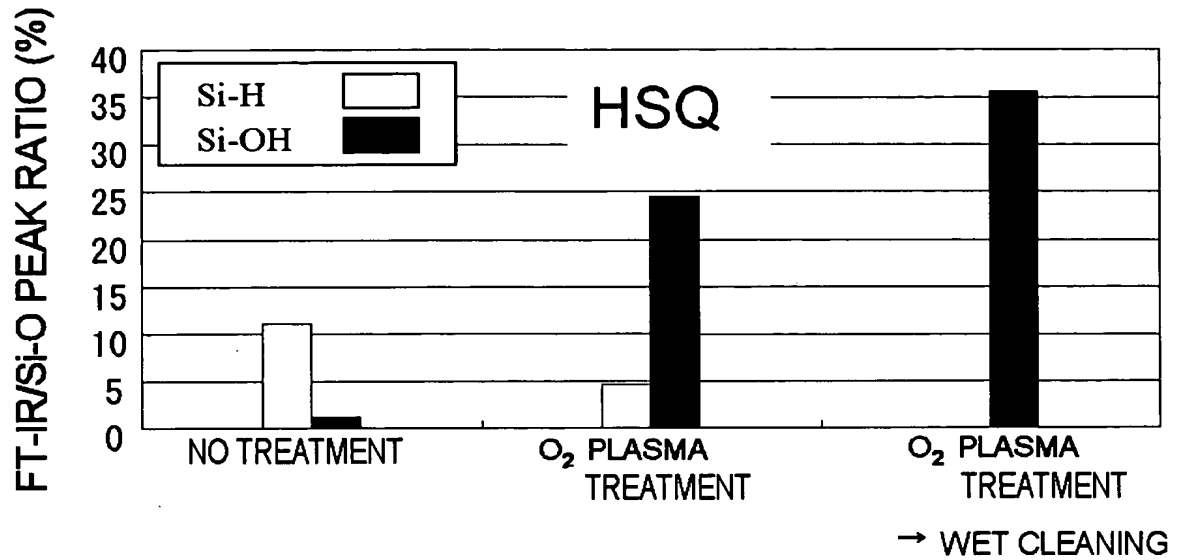


FIG. 3B

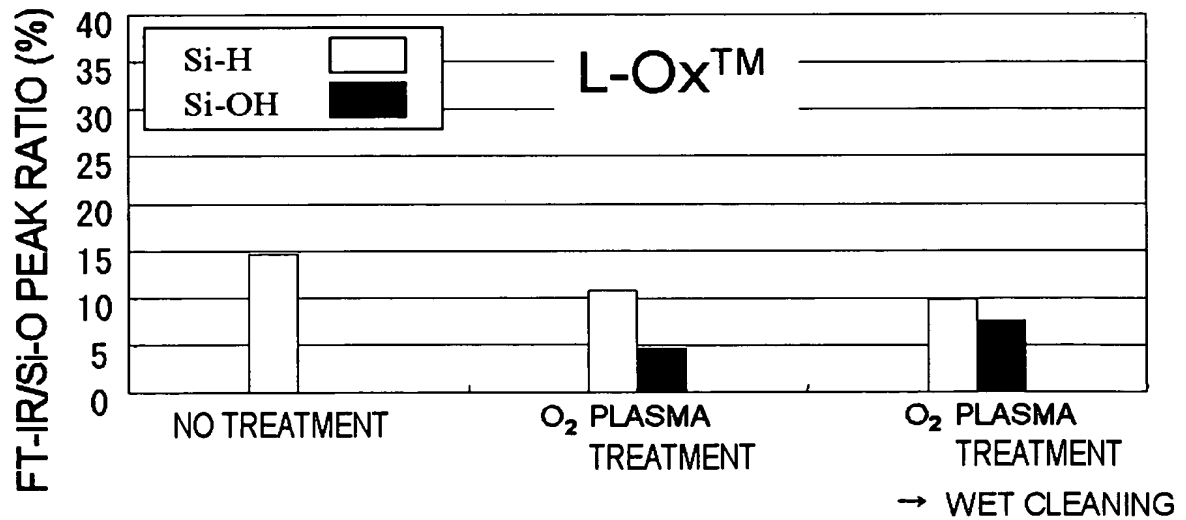


FIG. 4

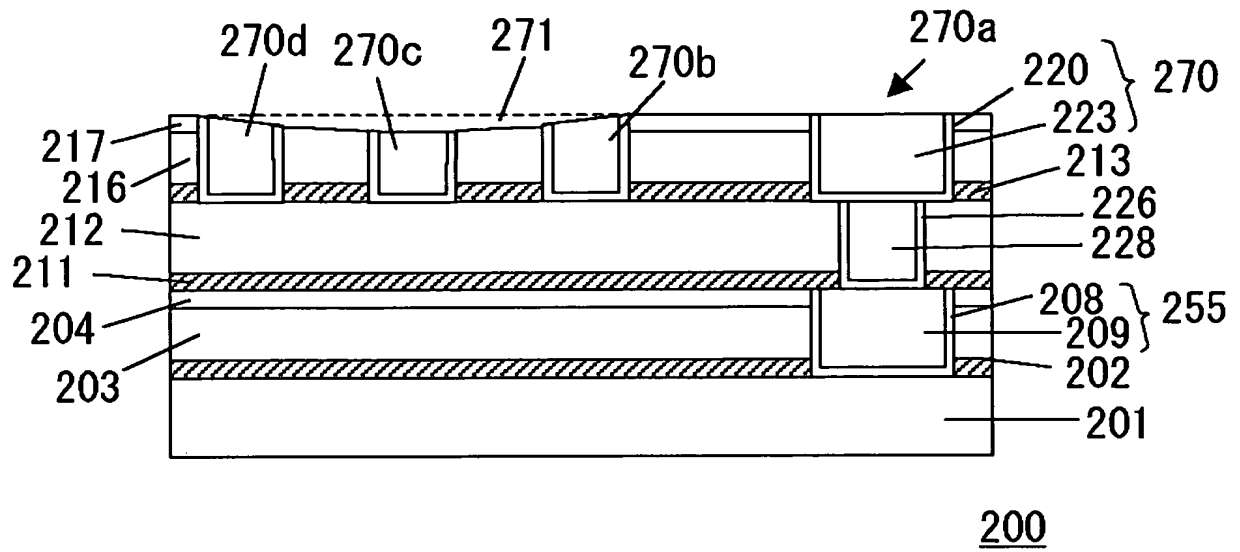


FIG. 5A

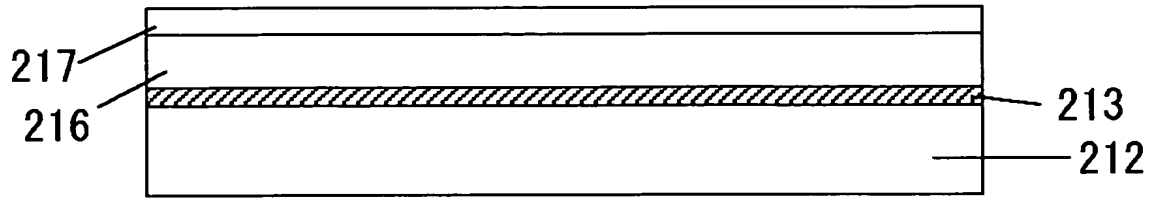


FIG. 5B

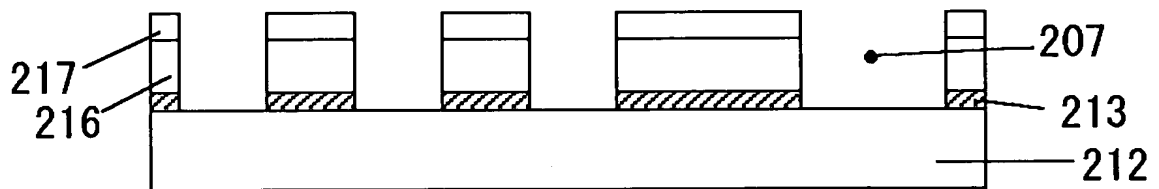


FIG. 5C

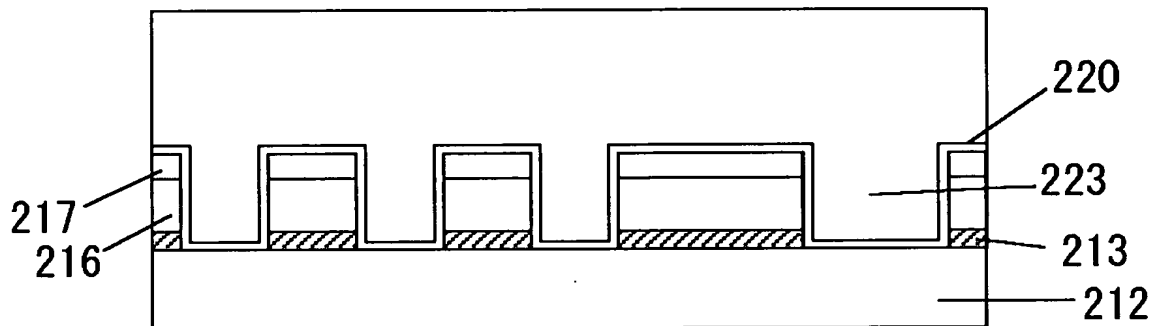


FIG. 5D

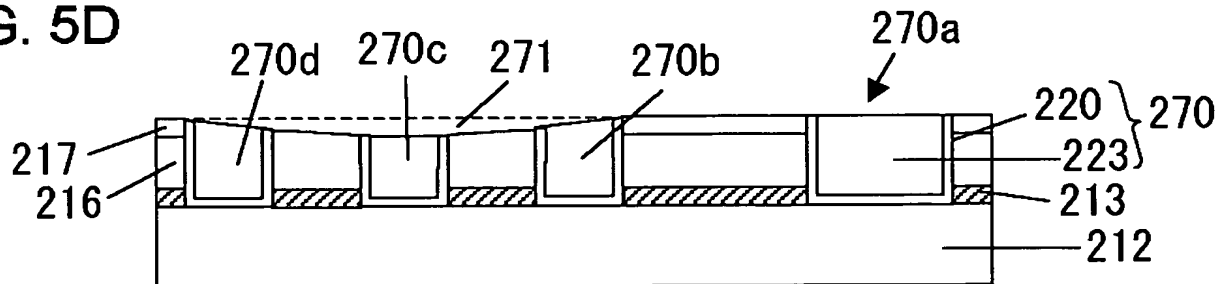


FIG. 6

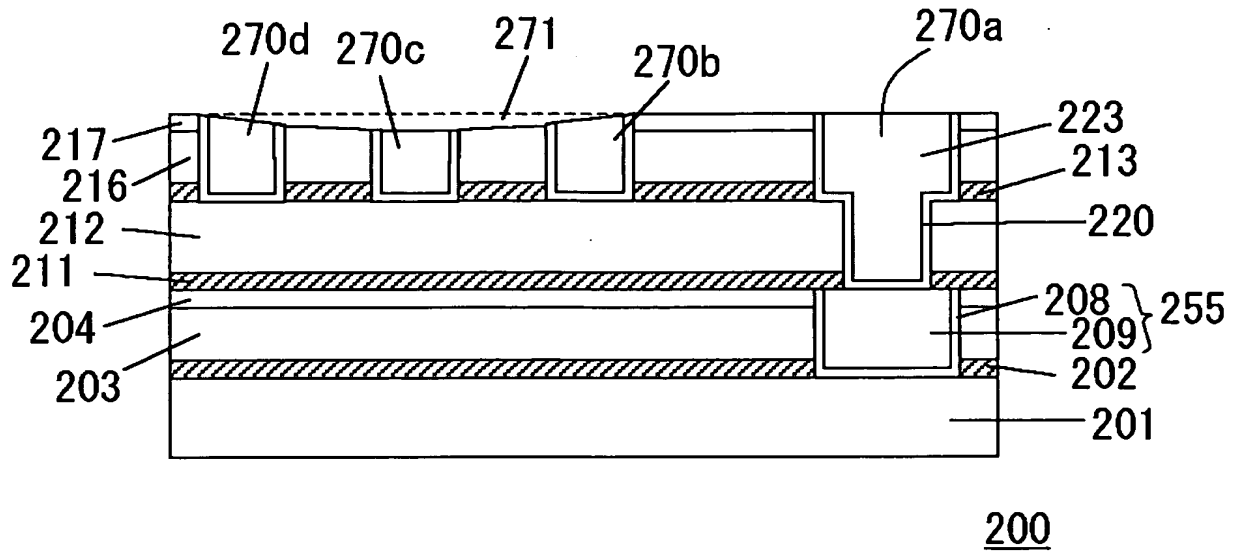


FIG. 7A

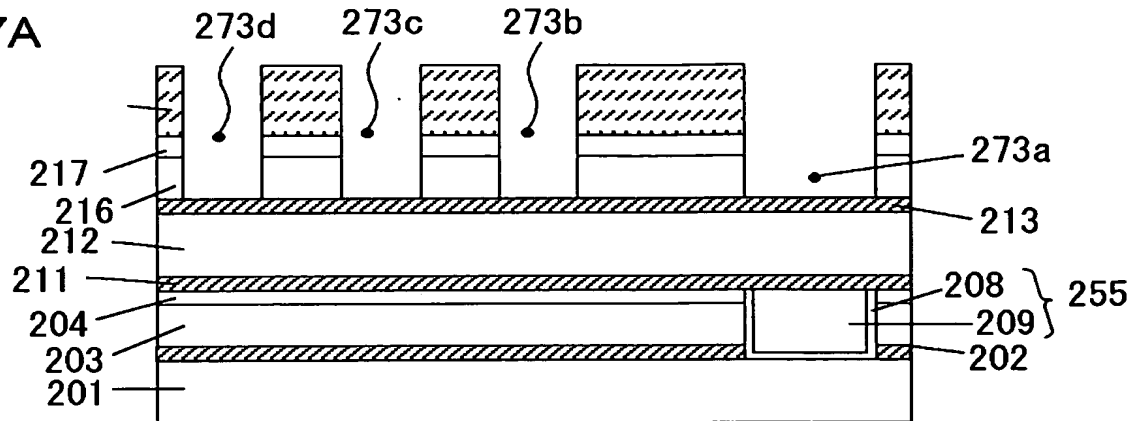


FIG. 7B

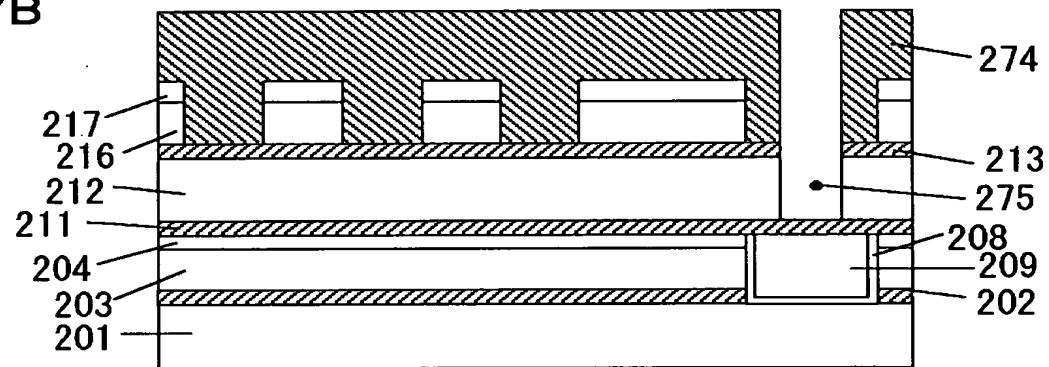


FIG. 7C

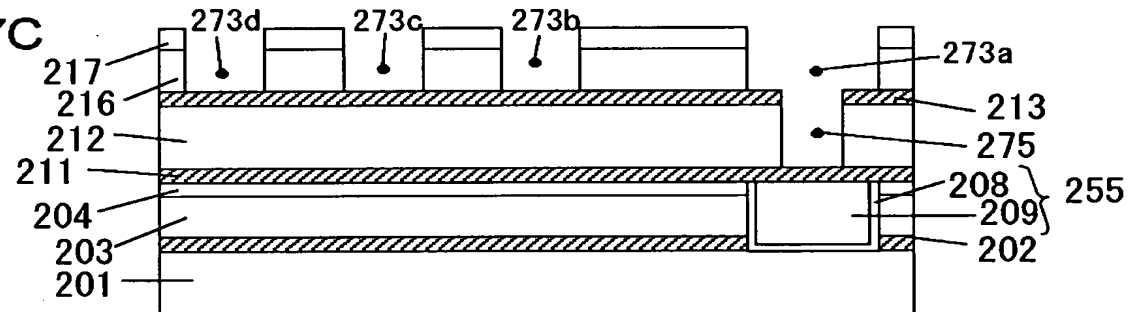


FIG. 7D

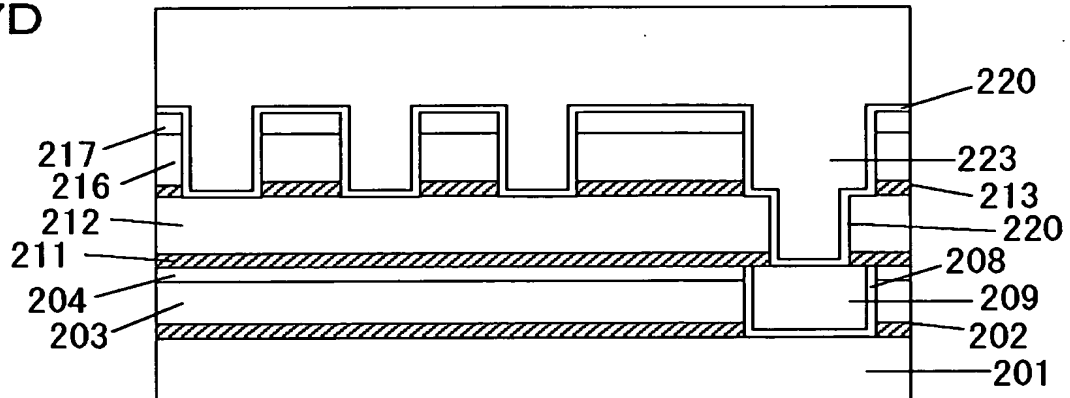


FIG. 8A

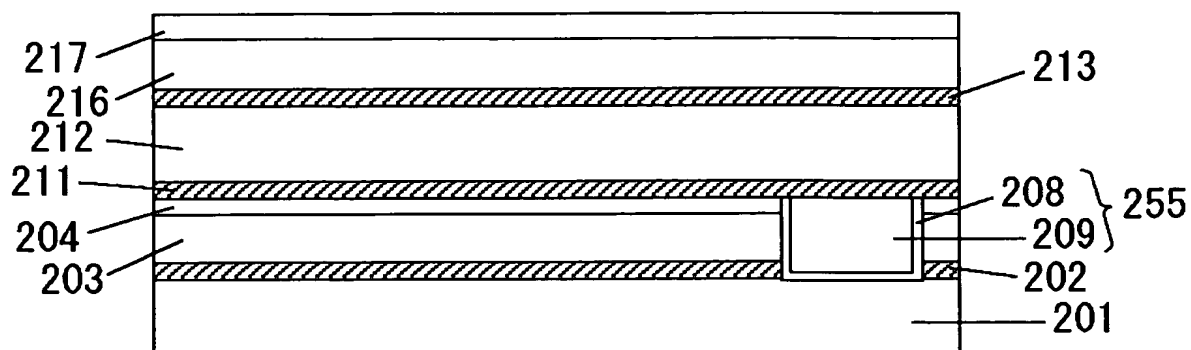


FIG. 8B

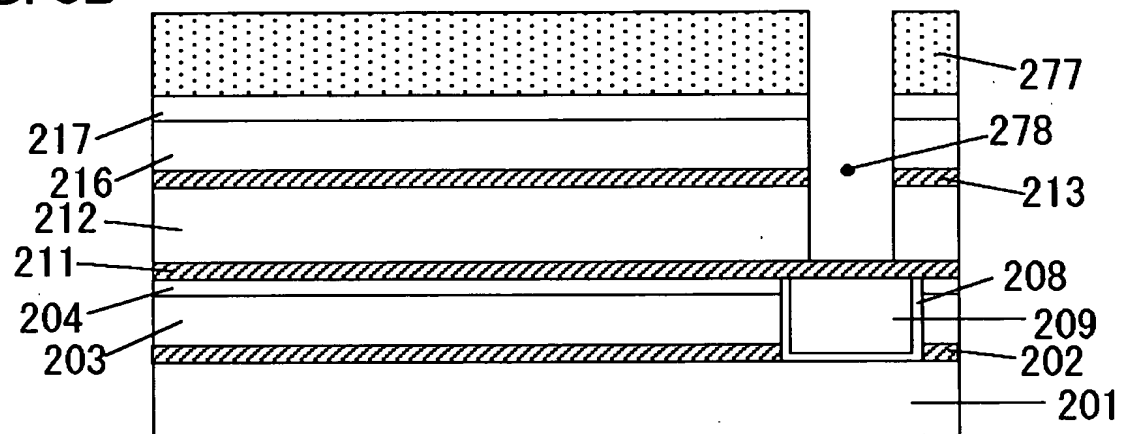


FIG. 8C

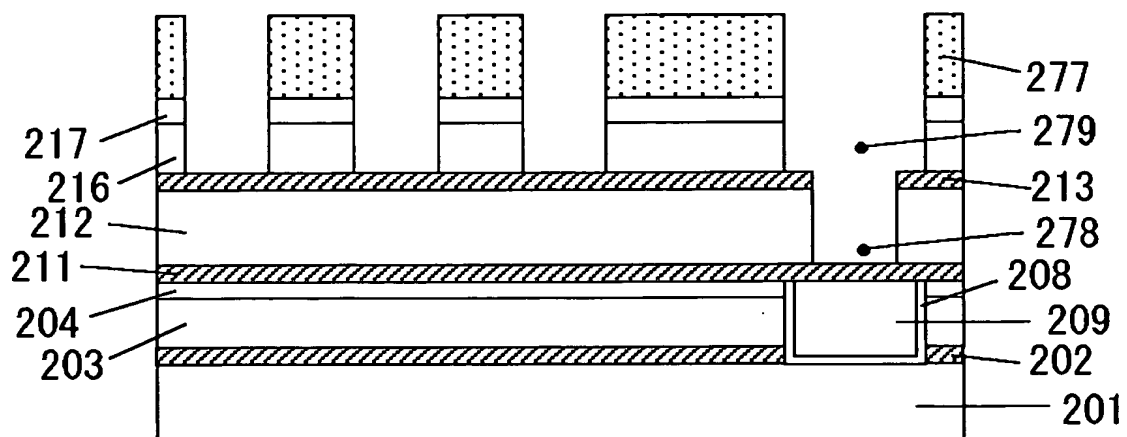


FIG. 9A

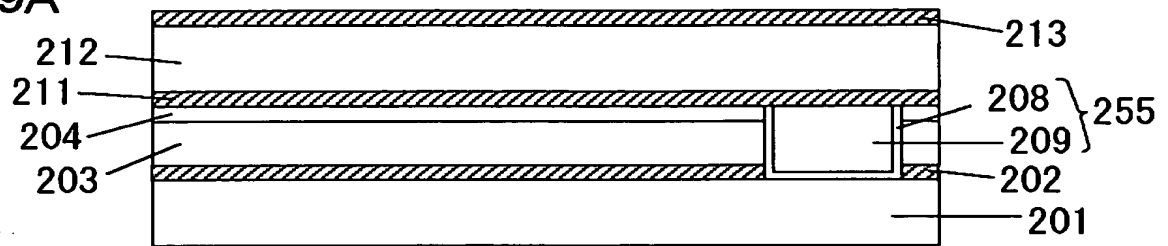


FIG. 9B

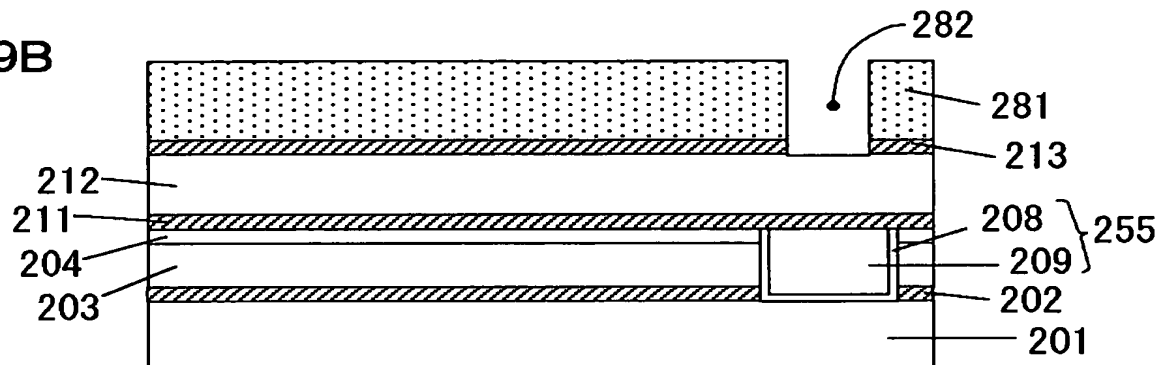


FIG. 9C

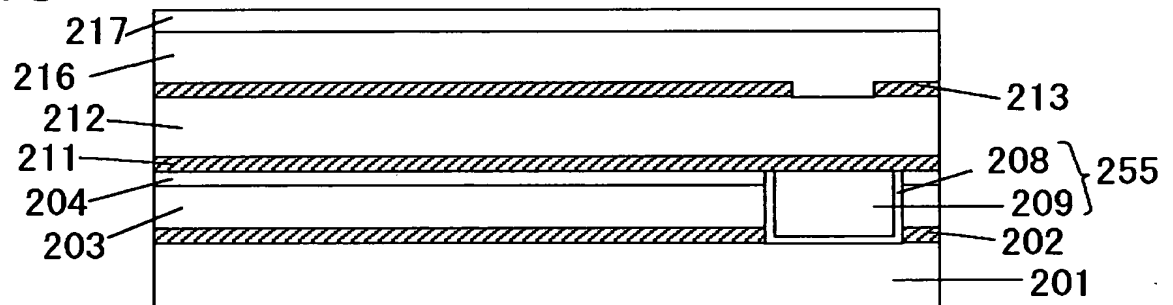


FIG. 9D

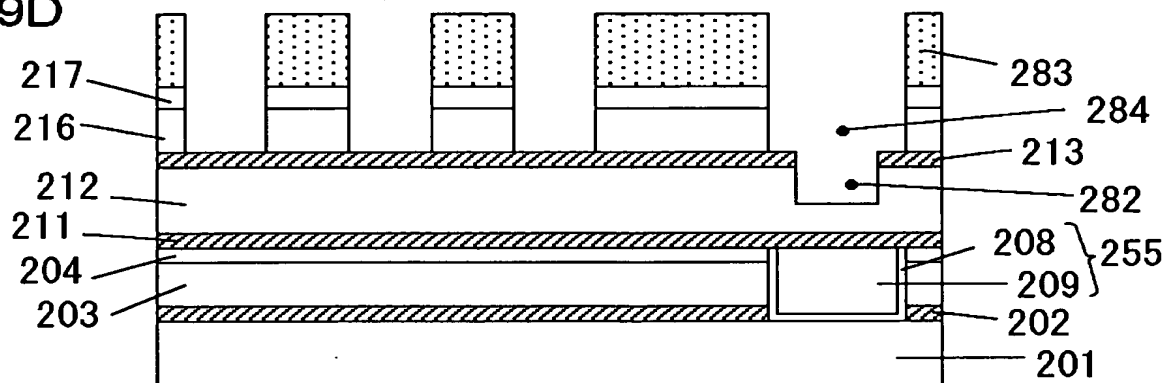


FIG. 10

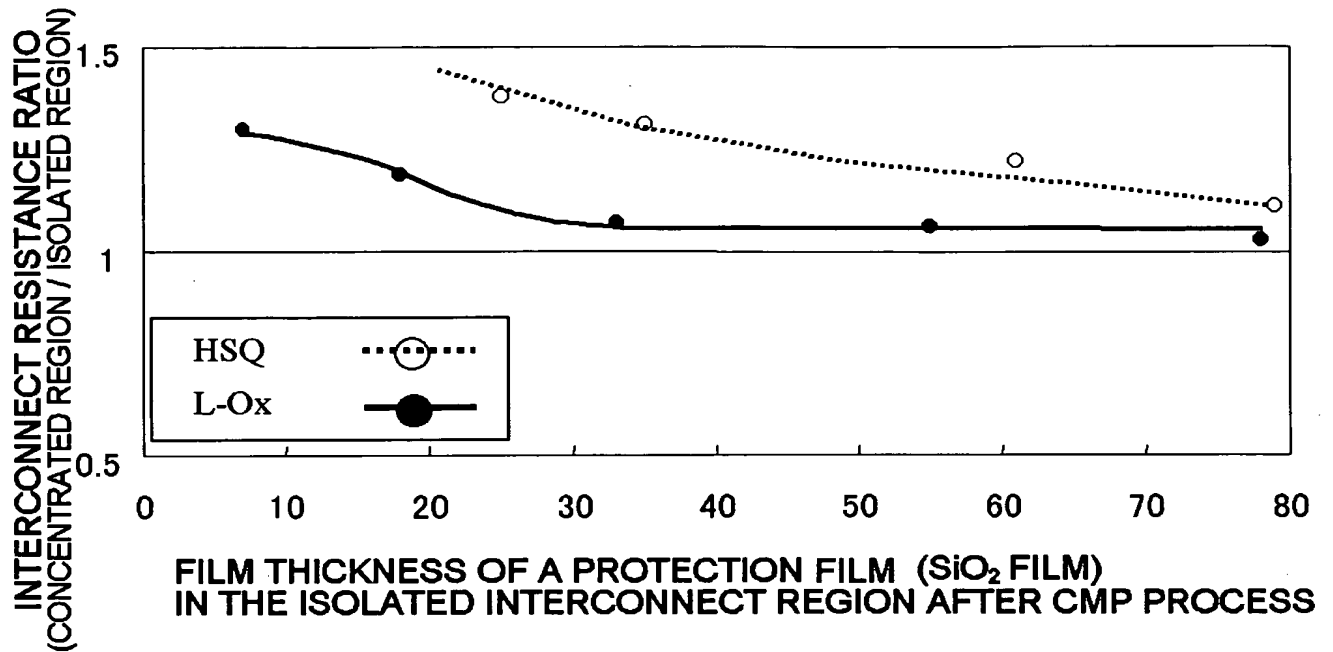


FIG. 11

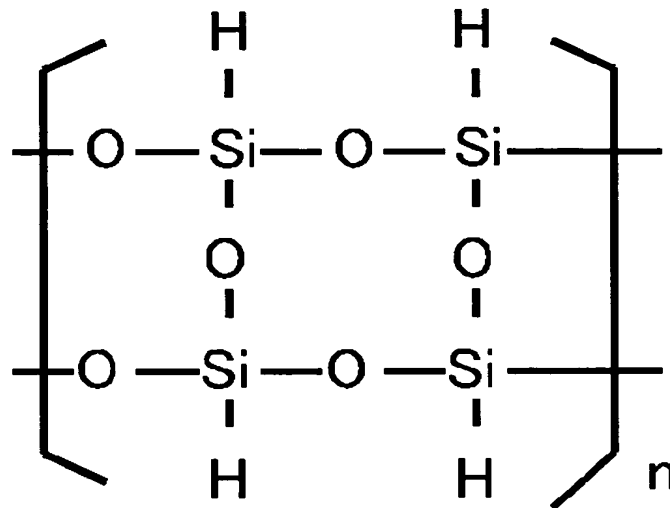


FIG. 12

DIELECTRIC CONSTANT (@1MHz)	2. 9
REFRACTIVE INDEX (@633nm)	1. 39
STRESS (dyne/cm ²)	7. 00E+08
HARDNESS (GPa)	0. 9
ELASTIC MODULUS (GPa)	6
THERMAL EXPANSION COEFFICIENT (ppm/deg-C)	18
GLASS TRANSITION TEMPERATURE (deg-C)	none
THERMAL CONDUCTIVITY (W/m·K @25 deg-C)	0. 31

FIG. 13

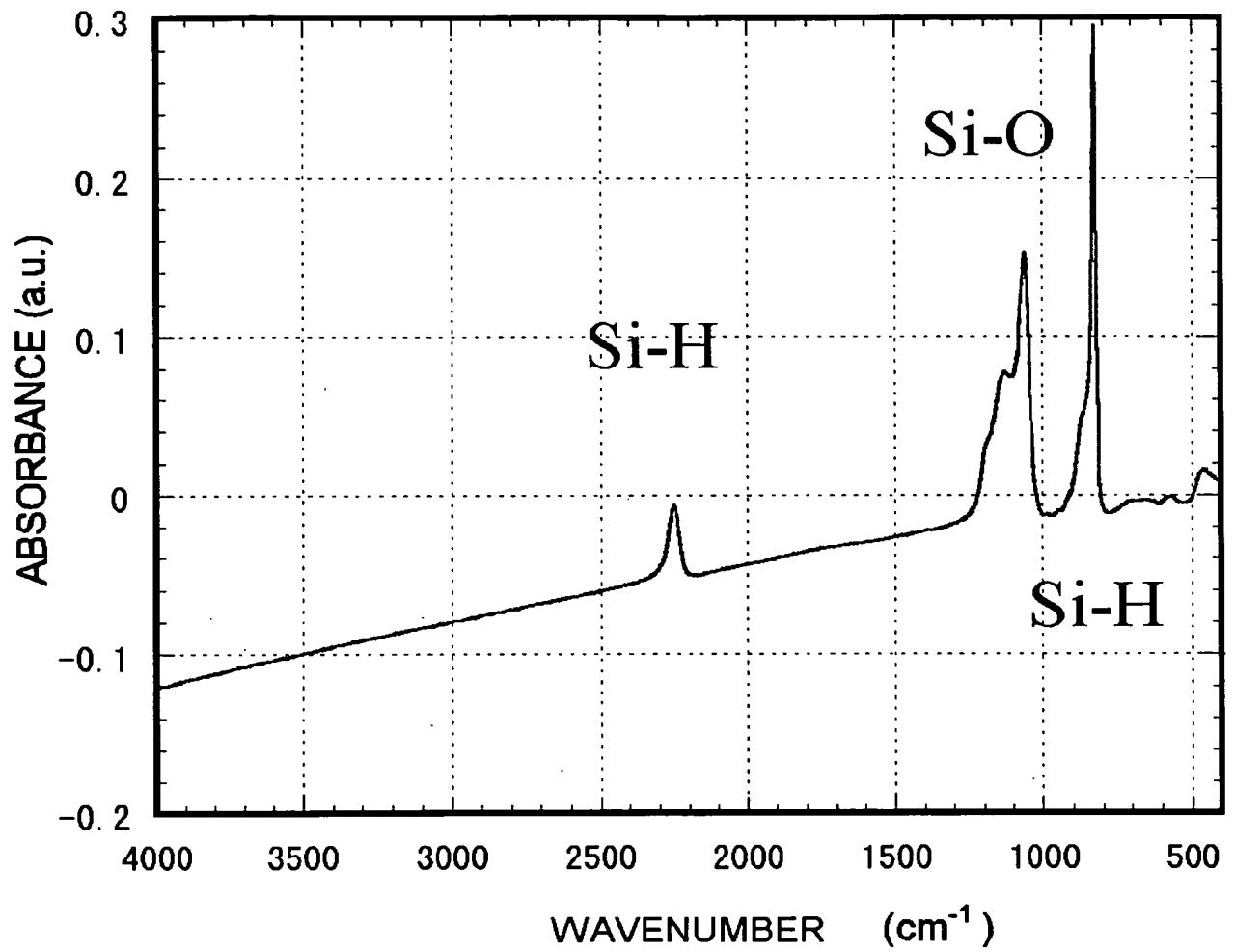


FIG. 14

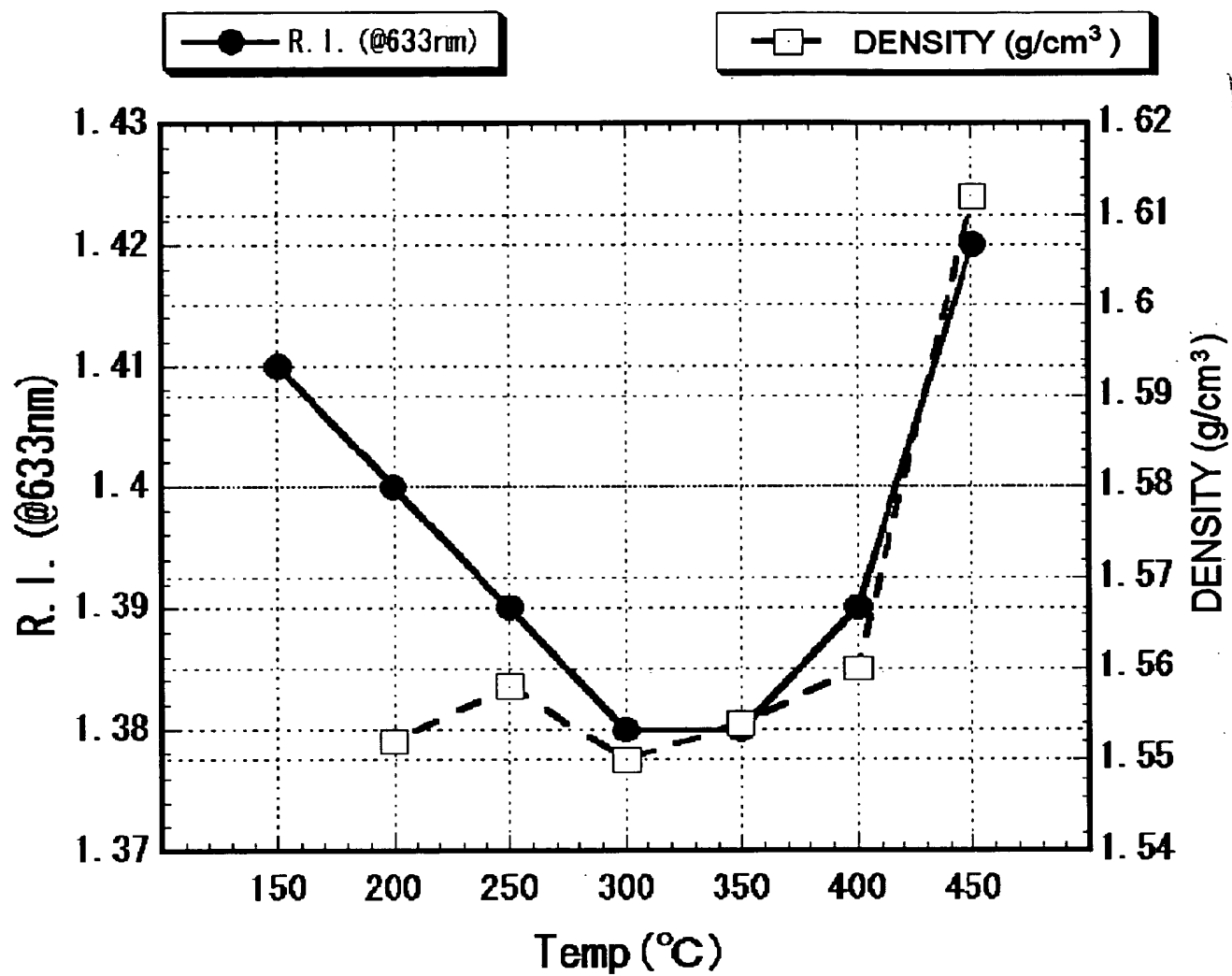


FIG. 15

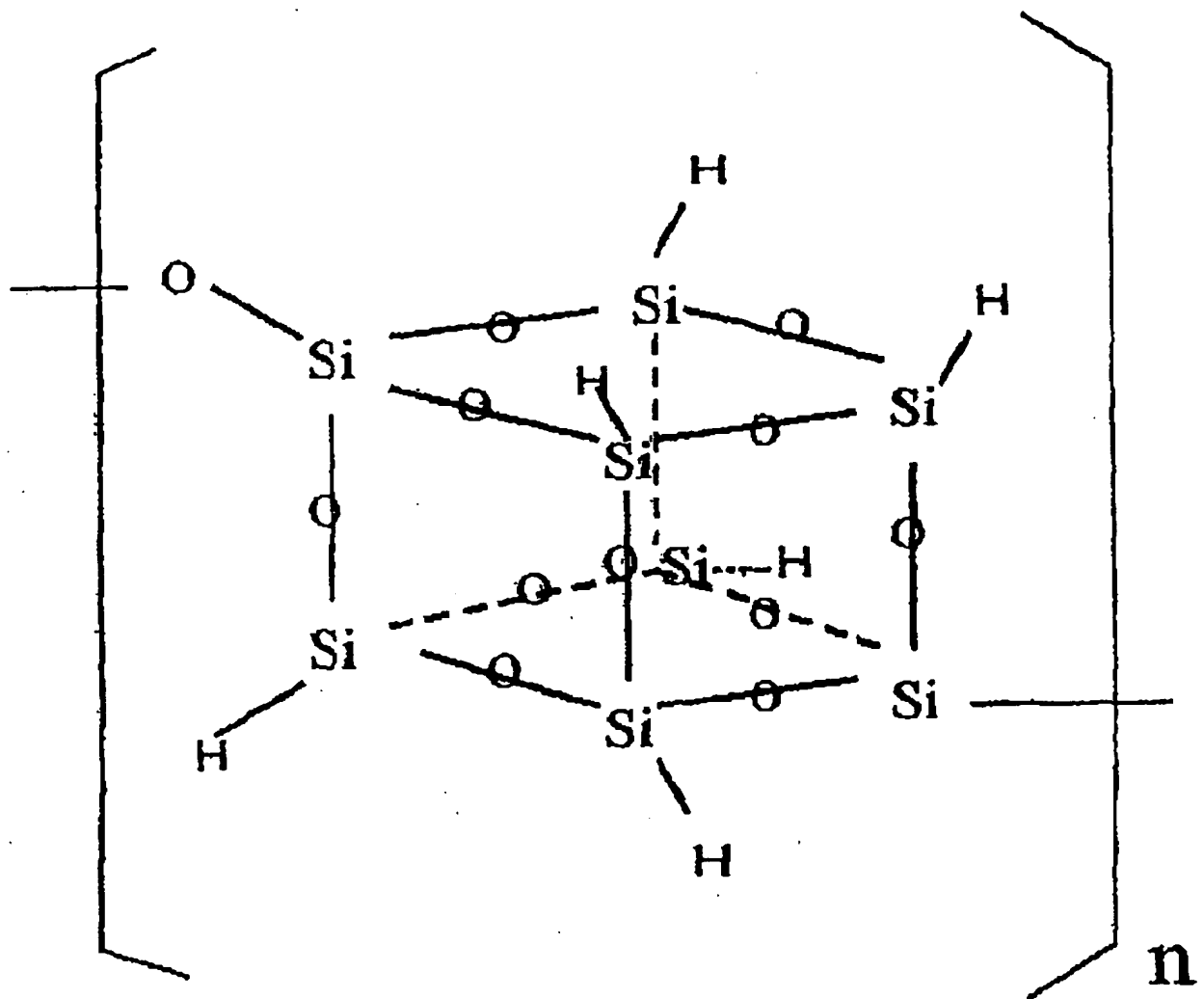


FIG. 16

